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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,580	08/25/2003	Richard Harvey	063170.6292	4093
5073	7590	08/08/2008	EXAMINER	
BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980			ZHEN, LI B	
			ART UNIT	PAPER NUMBER
			2194	
			NOTIFICATION DATE	DELIVERY MODE
			08/08/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/648,580	Applicant(s) HARVEY ET AL.	
	Examiner Li B. Zhen	Art Unit 2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>5/14/08;5/23/08;6/30/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1 – 12 are pending in the application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/24/2008 has been entered.

Response to Arguments

3. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 1 – 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2003/0023957 to Bau, III et al. [hereinafter Bau, previously cited] in view of U.S. Patent No. 7,016,976 to Merrells et al. [hereinafter Merrells].

7. As to claim 1, Bau teaches the invention substantially as claimed including a method of generating keys for object(s) in a Web Services [p. 2, paragraph 0024] arrangement, comprising:

determining if the at least one object [conversational instance; p. 4, paragraph 0037 and pp. 7 – 8, paragraph 0074] has a defined first key [client embeds its own instance identifier as part of the conversation ID; p. 6, paragraph 0063];

if the at least one object has a defined first key, providing that defined first key for the at least one object [other unique objects can be used to generate a unique identifier in lieu of the GUID; p. 6, paragraph 0063]; and

if the at least one object does not have a defined first key, providing a second key for the at least one object [client generates a globally unique identifier (GUID); p. 6,

paragraph 0063]. Bau does not specifically teach storing at least one object based on at least one of a plurality of Universal Description, Discovery and Integration (UDDI) objects as an entry in a directory, the directory comprising a hierarchical organization of a plurality of entries, each of the plurality of entries having a plurality of attributes and providing a key for the at least one object as a naming attribute for the entry corresponding to the at least one object in the directory, the defined first key uniquely identifying the entry in the directory.

However, Merrells teaches storing at least one object based on at least one of a plurality of Universal Description, Discovery and Integration (UDDI) objects as an entry in a directory [LDAP client (100) searches the directory for a specific entry; col. 3, line 56 – col. 14, line 3], the directory comprising a hierarchical organization of a plurality of entries [directory is hierarchical; col. 3, lines 30 – 57], each of the plurality of entries having a plurality of attributes and providing a key for the at least one object as a naming attribute for the entry corresponding to the at least one object in the directory [UniqueID generation supports both time-based and name-based UUIDs; col. 8, lines 6 – 18], the defined first key uniquely identifying the entry in the directory [Normal LDAP operations can be used to locate an entry based on the entry's UniqueID; col. 9, lines 56 – 63], and if the at least one object does not have a defined first key, providing a second key for the at least one object as the naming attribute for the entry corresponding to the at least one object in the directory, the second key uniquely identifying the entry in the directory [timestamp portion (100) of the state includes two parts, namely system time

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(90) obtained through a call to time plus time sequence number (92) that keeps IDs generated within the exact same second distinct; col. 8, lines 17 – 50].

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the invention of Bau to incorporate the features of Merrells. One of ordinary skill in the art would have been motivated to make the combination because this provides user-management infrastructure for managing large volumes of user information for e-business applications and services and provides global directory services by providing information to a wide variety of applications [col. 7, lines 3 – 15 of Merrells].

8. As to claim 2, Bau teaches a UUID (Universally Unique Identified) algorithm is used to provide the second key for the at least one object [globally unique identifier (GUID); p. 6, paragraph 0063].

9. As to claim 3, Bau teaches each key is unique [p. 5, paragraph 0056].

10. As to claim 4, Bau teaches the second key provided is monotonically increasing [p. 6, paragraph 0063].

11. As to claim 5, Bau as modified teaches each object of the plurality of UDDI object [col. 8, lines 6 – 18 of Merrells] has at least one of a defined key and a second key [p. 6, paragraph 0063 of Bau].

12. As to claim 11, Bau as modified teaches the plurality of UDDI objects comprises a Business Entity object, a Business Service Object, a Binding Template Object, a Publisher Assertion Object, and a TModel object [col. 7, lines 3 -15 of Merrells].

13. As to claims 6 – 10 and 12, these are product claims that correspond to method claims 1 – 5 and 11; see the rejections to claims 1 – 5 and 11 above, which also meet these product claims.

CONTACT INFORMATION

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Li B. Zhen whose telephone number is (571) 272-3768. The examiner can normally be reached on Mon - Fri, 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571)272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Li B. Zhen
Primary Examiner
Art Unit 2194

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